CURRENT FISHERIES STATISTICS NO. 6702

Industrial Fishery Products, Annual Summary 1974

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Source of data:–Since 1921, the National Marine Fisheries Service of the National Oceanic and Atmospheric Administration and its predecessor organizations have made annual surveys for statistics on the domestic production of industrial fishery products. The data collected include statistics on the production and value of each commodity. The value shown for the products constitutes the gross amount received by the producer at the production point; no deductions are made for commission or expenses.

September 26, 1975 Washington, D.C.

noaa NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION / NATIONAL MARINE FISHERIES SERVICE

REVIEW

The value of 1974 production of industrial fishery products in the United States, American Samoa, and Puerto Rico was $198.8 million, 2 percent less than the record value in 1973. The output of meal, oil, and solubles by the fish meal industry was $145.3 million and accounted for almost three-fourths the total value of all industrial fishery products. The remaining industrial output of $53.5 million consisted largely of kelp and other seaweed products, fertilizers and animal foods, pearl shell buttons, and pearl essence.

Industrial fishery products were produced in 122 plants in 21 States, American Samoa, and Puerto Rico. The top five States were Louisiana, California, Maine, Virginia, and Mississippi. Menhaden products accounted for the bulk of production in Louisiana, Virginia, and Mississippi. Seaweed products accounted for a large output in both California and Maine.

FISH MEAL. The 1974 production of fish meal (including shellfish meal) was 300,714 tons, 4.6 percent more than the 287,517 tons in 1973. Menhaden meal, which accounted for more than two-thirds of the total meal production, was 203,859 tons and the highest production for the past 3 years.

The value of menhaden products accounted for a total of $114.4 million, or 79 percent of the total U.S. production of fish meal, oil, and solubles, or 58 percent of the production of all industrial fishery products.

FISH OILS. The domestic industry produced 238.0 million pounds of fish oil during 1974 compared with 224.6 million pounds during the previous year. The higher level of production in 1974 was chiefly attributed to the increase in the production of menhaden oil, up 8.2 percent from the 1973 production of 200.5 million pounds to 217.0 million pounds in 1974.

FISH SOLUBLES. During 1974, the production of fish solubles was 137,259 tons. This was a decline of 176 tons in the overall production when compared with 137,435 tons produced in 1973. Menhaden solubles were 102,939 tons or 75.0 percent of the total domestic production.

OTHER INDUSTRIAL PRODUCTS. Oyster shell products (grit and lime) were valued at $4.7 million compared to $4.0 million the year before. Other industrial items included agar-agar, animal feeds, crab and clam shells processed for serving food, fish pellets, Irish moss extracts, kelp products, shark leathers, liquid fertilizer,and pearl essence. The value of these products was $48.9 million in 1974 compared with $37.9 million in 1973.

SUMMARY OF PRODUCTION, BY PRODUCTS, 1974

Product	Plants	Unit of quantity	Quantity	Value
	Number			Dollars
Fish and shellfish meal	98	Tons	300,714	84,379,662
Fish body oils	51	Thousand pounds	237,981	49,215,641
Fish solubles	24	Tons	137,259	11,729,677
Oyster shell grit and lime ("live and reef shells")	6	Tons	207,576	4,651,242
Miscellaneous industrial products	36	–	–	48,858,077
Total	(1) 122	–	–	198,834,299

(1) Exclusive of duplication.

VALUE OF PRODUCTION, BY STATES, 1974

State	Dollars
Maine	22,043,968
Massachusetts	3,992,118
New York and Pennsylvania	91,266
New Jersey	5,212,587
Maryland	1,490,620
Virginia	17,082,366
Georgia, Alabama, and Texas	3,561,227
North Carolina	5,514,984
Mississippi	14,821,897
Louisiana	71,971,802
Florida	559,317
Iowa, Michigan, and Wisconsin	552,659
Alaska	169,536
California	42,028,140
Oregon	869,651
Washington	3,682,107
American Samoa and Puerto Rico	5,190,054
Total	198,834,299

PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, 1974

Area and State	Plants	Area and State	Plants
	Number		Number
New England:		South Atlantic and Gulf (Continued):	
Maine	7	Mississippi	4
Massachusetts	6	Louisiana	22
		Texas	1
Total	13	Total	45
Middle Atlantic:		Great Lakes:	
New York	2		
New Jersey	4	Michigan	1
Pennsylvania	1	Wisconsin	1
Total	7	Total	2
Chesapeake:		Mississippi River, Iowa	1
Maryland	4		
Virginia	8	Pacific Coast:	
		Alaska	4
Total	12	Washington	9
		Oregon	7
South Atlantic and Gulf:		California	16
North Carolina	11		
Georgia	2	Total	36
Florida	4		
Alabama	1	American Samoa	2
		Puerto Rico	4
(Continued)		Grand total	122

PRODUCTION OF MARINE ANIMAL SCRAP AND MEAL, 1974

Product	Atlantic and Gulf Coasts		American Samoa, Pacific Coast, and Puerto Rico		Total	
	Tons	Dollars	Tons	Dollars	Tons	Dollars
Dried scrap (1) and meal:						
Fish:						
Anchovy	–	–	14,058	4,188,154	14,058	4,188,154
Herring, sea	(2) 3,191	(2) 1,268,018	–	–	3,191	1,268,018
Menhaden	203,859	60,368,735	–	–	203,859	60,368,735
Tuna and mackerel	–	–	(3) 48,244	(3) 11,603,388	48,244	11,603,388
Unclassified	(4) 21,121	(4) 5,677,352	1,179	357,132	22,300	6,034,484
Total	228,171	67,314,105	63,481	16,148,674	291,652	83,462,779
Shellfish:						
Crab	7,882	749,937	363	24,150	8,245	774,087
Shrimp	(2) 508	(2) 39,635	–	–	508	39,635
Unclassified	–	–	309	103,161	309	103,161
Total	8,390	789,572	672	127,311	9,062	916,883
Grand total	236,561	68,103,677	64,153	16,275,985	300,714	84,379,662

(1) Unground meal. (2) Includes production on the Pacific Coast. (3) Includes production on the Atlantic Coast. (4) Includes production in the Great Lakes and Mississippi River area.

PRODUCTION OF MARINE ANIMAL OIL, 1974

Product	Atlantic and Gulf Coasts		Pacific Coast and Puerto Rico		Total	
	Thousand pounds	Dollars	Thousand pounds	Dollars	Thousand pounds	Dollars
Fish oil:						
Anchovy	–	–	5,602	835,098	5,602	835,098
Menhaden	217,045	46,060,490	–	–	217,045	46,060,490
Tuna and mackerel	–	–	6,819	809,699	6,819	809,699
Unclassified	(1) 7,893	(1) 1,421,556	621	88,798	8,514	1,510,354
Total	224,938	47,482,046	13,042	1,733,595	237,980	49,215,641

(1) Includes production in the Great Lakes and Mississippi River area and unclassified liver oils.
Note:--To convert pounds of oil to gallons divide by 7.75.

PRODUCTION OF FISH SOLUBLES, 1974

Product, State, and number of plants	Tons	Dollars
Fish solubles:		
Massachusetts (1), New Jersey (1), Virginia (2), and Florida (1)	37,739	2,788,399
North Carolina (3)	7,116	569,308
Louisiana (8) and Mississippi (2)	60,092	4,807,421
California (4), Oregon (1), and Puerto Rico (1)	32,312	3,564,549
Total (24)	137,259	11,729,677

Note:-- Includes menhaden solubles.

PRODUCTION OF MENHADEN PRODUCTS, 1974

State and number of plants	Dried scrap and meal		Oil		Solubles		Total
	Tons	Dollars	Pounds	Dollars	Tons	Dollars	Dollars
Massachusetts (1), New Jersey (1), Virginia (2), and Florida (1) . .	53,786	14,813,255	36,118	6,397,657	35,731	2,633,162	23,844,074
North Carolina (4) . .	13,101	3,096,050	5,328	1,145,580	7,116	569,308	4,810,938
Louisiana (8) and Mississippi (2) . . .	136,972	42,459,430	175,599	38,517,253	60,092	4,807,421	85,784,104
Total (19) . . .	203,859	60,368,735	217,045	46,060,490	102,939	8,009,891	114,439,116

Note:--May include a small quantity of other species.

PRODUCTION OF OYSTER SHELL PRODUCTS, 1974

("Live and reef shells")

State and number of plants	Poultry grit		Lime, burned and unburned		Total	
	Tons	Dollars	Tons	Dollars	Tons	Dollars
Alabama (1), Maryland (1), Oregon (1), Pennsylvania (1), Texas (1), and Virginia (1)	192,862	4,407,802	14,714	243,440	207,576	4,651,242

PRODUCTION OF MISCELLANEOUS INDUSTRIAL FISHERY PRODUCTS, 1974

Product	State and number of plants	Dollars
Agar-agar	California (1)	
Animal feeds and fish feed pellets	California (3), Massachusetts (2), Michigan (1), New York (1), Oregon (4), Virginia (1), and Washington (6)	
Clam and crab shells (processed for food serving) . . .	Florida (1), Massachusetts (1), Mississippi (2), and North Carolina (1)	48,858,077
Irish moss extracts	Maine (2) and Massachusetts (1)	
Kelp products	California (2)	
Shark leather	New Jersey (1)	
Liquid fertilizer	California (1)	
Marine pearl shell buttons	New Jersey (2)	
Pearl essence	Maine (3)	

NUMBER OF PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, BY TYPE OF PRODUCT, 1974

Product	Atlantic and Gulf Coasts (1)	Pacific Coast (2)	Total
	Number		
Scrap and meal, dried:			
Alewife	3	–	3
Anchovy	–	6	6
Carp	1	–	1
Crab	12	4	16
Groundfish	1	–	1
Hake	–	1	1
Herring:			
Sea	2	3	5
Thread	2	–	2
Menhaden	19	–	19
Salmon	–	1	1
Shrimp	14	1	15
Tuna and mackerel	1	12	13
Unclassified	13	2	15
Oil:			
Body:			
Alewife	3	–	3
Anchovy	–	6	6
Carp	1	–	1
Hake	–	1	1
Herring:			
Sea	2	1	3
Thread	2	–	2
Menhaden	19	–	19
Salmon	–	1	1
Tuna and mackerel	–	8	8
Liver	1	–	2
Unclassified	4	2	6
Shell products:			
Clam shells processed for food serving	2	–	2
Crabs shells processed for food serving	2	2	4
Marine pearl shell buttons	2	–	2
Oyster shell:			
Crushed shell for poultry feed	4	1	5
Shell lime (burned and unburned)	2	1	3
Seaweed products:			
Agar-agar	–	1	1
Irish moss extracts	3	–	3
Kelp products	–	2	2
Miscellaneous:			
Animal feeds	5	13	18
Fish solubles	18	6	24
Shark leather	1	–	1
Liquid fertilizer	–	1	1
Pearl essence	3	–	3
Total, exclusive of duplication	80	42	122

(1) Includes firms in the Great Lakes and Mississippi River areas. (2) Includes Puerto Rico and American Samoa.

PRODUCTION OF INDUSTRIAL FISHERY PRODUCTS, 1961–74

Year	Menhaden, dried scrap and meal		Herring meal		Tuna and mackerel meal	
	Tons	Dollars	Tons	Dollars	Tons	Dollars
1961	247,551	25,852,498	5,268	619,934	21,243	2,056,426
1962	239,707	28,249,566	5,095	688,984	26,559	2,578,761
1963	184,205	22,263,320	7,537	856,432	26,957	2,943,109
1964	160,349	20,001,220	8,881	1,102,522	21,113	2,229,443
1965	175,959	25,869,014	12,932	2,005,617	25,399	3,032,063
1966	134,954	20,539,455	11,860	1,971,118	25,290	3,199,211
1967	119,135	15,265,369	9,492	1,328,183	25,487	2,757,513
1968	143,154	19,534,274	15,411	2,127,988	28,781	2,955,047
1969	159,493	26,960,278	6,563	1,044,801	26,870	3,238,956
1970	188,550	34,657,788	6,415	1,174,696	26,674	3,753,067
1971	220,996	34,952,755	5,189	859,970	29,287	3,705,977
1972	193,580	35,293,566	5,487	1,162,094	43,226	5,483,877
1973	188,786	84,892,836	4,457	1,977,952	43,635	13,243,085
1974	203,859	60,368,735	3,191	1,268,018	48,244	11,603,388

Year	Other, dried scrap and meal		Total, scrap and meal		Fish solubles and homogenized condensed fish (1)	
	Tons	Dollars	Tons	Dollars	Tons	Dollars
1961	37,203	3,410,978	311,265	31,939,836	112,254	5,468,643
1962	40,898	4,055,919	312,259	35,573,230	124,649	6,634,748
1963	37,208	4,172,288	255,907	30,235,149	107,402	6,753,065
1964	44,909	4,705,673	235,252	28,038,858	93,236	5,662,194
1965	39,761	4,800,367	254,051	35,707,061	94,850	5,939,073
1966	51,717	6,566,004	223,821	32,275,788	83,441	5,160,371
1967	57,075	6,687,219	211,189	26,038,284	74,675	4,587,708
1968	47,790	5,644,019	235,136	30,261,328	71,833	3,706,548
1969	59,738	8,578,733	252,664	39,822,768	81,692	4,123,126
1970	47,558	6,767,716	269,197	46,353,267	94,968	4,946,385
1971	37,340	4,981,925	292,812	44,500,627	111,188	5,045,989
1972	43,213	6,349,200	285,506	48,288,737	134,395	5,727,598
1973	50,639	19,791,524	287,517	119,905,397	137,435	15,445,850
1974	45,420	11,139,521	300,714	84,379,662	137,259	11,729,677

Year	Menhaden oil		Herring oil		Tuna and mackerel oil	
	Thousand pounds	Dollars	Thousand pounds	Dollars	Thousand pounds	Dollars
1961	235,167	12,913,447	6,135	416,710	5,719	278,160
1962	232,619	10,059,839	5,086	237,897	5,008	235,528
1963	167,635	9,853,302	5,709	292,966	5,903	273,901
1964	157,730	11,734,935	10,354	785,155	4,816	272,178
1965	175,204	13,240,988	8,528	748,336	4,794	333,776
1966	144,198	10,981,557	7,882	585,464	4,111	303,320
1967	101,384	4,736,298	5,676	306,835	5,218	267,634
1968	152,020	6,247,396	9,533	376,018	4,549	162,741
1969	149,155	8,252,716	3,484	217,339	4,256	132,172
1970	186,283	16,833,277	5,437	328,407	3,534	168,055
1971	244,040	19,248,564	5,856	488,388	4,933	255,233
1972	166,956	11,563,486	5,064	480,625	5,030	272,114
1973	200,489	23,050,819	1,724	238,257	7,396	493,569
1974	217,045	46,060,490	(2)	(2)	6,819	809,699

See footnotes at end of table.

(Continued on next page)

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National Oceanic and Atmospheric Administration
NATIONAL MARINE FISHERIES SERVICE
Washington, D.C. 20235

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PRODUCTION OF INDUSTRIAL FISHERY PRODUCTS, 1961–74 — Continued

Year	Whale and sperm oil		Other marine animal oil		Total oil	
	Thousand pounds	Dollars	Thousand pounds	Dollars	Thousand pounds	Dollars
1961 . . .	3,470	242,339	7,627	522,230	258,118	14,372,886
1962 . . .	2,567	177,650	4,795	290,494	250,075	11,001,408
1963 . . .	2,129	148,416	4,451	284,867	185,827	10,853,452
1964 . . .	3,160	195,610	4,138	309,113	180,198	13,296,991
1965 . . .	2,667	169,142	4,247	359,952	195,440	14,852,194
1966 . . .	1,365	81,046	6,489	528,301	164,045	12,479,688
1967 . . .	2,483	147,434	7,637	653,468	122,398	6,111,669
1968 . . .	2,394	115,861	5,576	424,675	174,072	7,326,691
1969 . . .	1,736	103,889	11,154	620,277	169,785	9,326,393
1970 . . .	680	46,019	10,150	808,966	206,084	18,184,724
1971 . . .	418	39,588	10,203	798,734	265,450	20,830,507
1972 . . .	–	–	11,395	800,659	188,445	13,116,884
1973 . . .	–	–	15,025	1,780,569	224,634	25,563,214
1974 . . .	–	–	14,116	2,345,452	237,980	49,215,641

Year	Oyster and marine clam shell lime and grit	Freshwater mussel shell products	Marine pearl shell buttons	Other industrial products	Grand total
	Tons	Dollars			
1961 . . .	442,835	6,341,864	(3) 702,296	2,317,503	13,425,946	74,568,974
1962 . . .	435,656	5,888,713	(3) 763,773	1,904,488	13,911,209	75,677,569
1963 . . .	398,583	5,479,819	(3) 369,020	1,151,549	13,759,174	68,601,228
1964 . . .	362,543	4,914,924	(3) 272,281	1,004,344	16,721,404	69,910,996
1965 . . .	349,528	4,558,346	(3) 116,669	900,600	20,756,230	82,830,173
1966 . . .	334,212	4,315,125	(4)	815,595	17,925,121	72,971,688
1967 . . .	311,367	4,144,107	(4)	788,575	19,356,446	61,026,789
1968 . . .	239,798	3,572,487	(4)	1,078,408	24,181,692	70,127,154
1969 . . .	207,332	3,329,118	(4)	841,000	25,562,406	83,004,811
1970 . . .	204,037	3,409,340	(5)	(5)	26,646,033	99,539,749
1971 . . .	228,605	4,128,422	(5)	(5)	32,045,853	106,551,398
1972 . . .	221,711	4,209,955	(5)	(5)	84,639,221	155,982,395
1973 . . .	207,922	4,014,884	(5)	(5)	37,898,792	202,828,137
1974 . . .	207,576	4,651,242	(5)	(5)	48,858,077	198,834,299

(1) Homogenized condensed fish has not been produced since 1963.
(2) Included with other oils. (3) Includes the value of pearl novelties.
(4) Included with marine pearl shell buttons. (5) Included with other industrial products.

AMERICAN REVOLUTION BICENTENNIAL 1776-1976